



27 April 2016

ISO/TC 20/SC13

**ISO/TC 20/SC 13 Meeting
Sao Jose dos Campos, Brazil – 27 April 2016**

**Report of the United States Technical Advisory Group to ISO/TC20/SC13
May 2015 – April 2016**

Meetings

1. USTAG13 meets regularly throughout the year via telecon

Work Items

1. The following ISO documents undergoing DIS ballot and Systematic Review were reviewed or are being reviewed by USTAG13 during the period between May 2015 and April 2016:

❖ **Published Standards/Revisions:**

1. **ISO/DIS 18202**
Space data and information transfer systems -- Mission operations message abstraction layer
2. **ISO/DIS 18423**
Space data and information transfer systems — Pseudo-Noise (PN) Ranging Systems
3. **ISO/DIS 20104**
Space data and information transfer systems -- Producer-Archive Interface Specification (PAIS)
4. **ISO/DIS 20105**
Space data and information transfer systems -- Operation of CFDP over encapsulation service
5. **ISO/DIS 20106**
Space data and information transfer systems -- Mission operations common object model
6. **ISO/DIS 20107**
Space data and information transfer systems — Spacecraft onboard interface services — Device virtualization service
7. **ISO/DIS 20205**
Space data and information transfer systems — Spacecraft Onboard Interface Systems — Low Data-Rate Wireless Communications for Spacecraft Monitoring and Control
8. **ISO/DIS 20206**
Space data and information transfer systems — IP over CCSDS space links
9. **ISO/DIS 20207**
Space data and information transfer systems — CCSDS Space Link Protocols over ETSI DVB-S2 Standard
10. **ISO/DIS 20208**
Space data and information transfer systems — Delta-DOR Raw Data Exchange Format

- 11. ISO/DIS 20210**
Space data and information transfer systems — Mission Operations Message Abstraction Layer — JAVA API
- 12. ISO/DIS 20211**
Space data and information transfer systems — Spacecraft Onboard Interface Services — Device Access Service
- 13. ISO/DIS 20213**
Space data and information transfer systems — Spacecraft onboard interface services — Message transfer service
- 14. ISO/DIS 20214**
Space data and information transfer systems — Security architecture for space data systems
- 15. ISO/DIS 20215**
Space data and information transfer systems — CCSDS cryptographic algorithms
- 16. ISO/DIS 20216**
Space data and information transfer systems — Spacecraft onboard interface services — Device data pooling service
- 17. ISO/DIS 20217**
Space data and information transfer systems — Spacecraft onboard interface services — File and packet store services
- 18. ISO/DIS 20618**
Space data and information transfer systems — Spacecraft onboard interface services — Device enumeration service
- 19. ISO/DIS 21459**
Space data and information transfer systems -- Proximity-1 space link protocol -- Coding and synchronization sublayer
- 20. ISO/DIS 21460**
Space data and information transfer systems -- Proximity-1 space link protocol -- Physical layer
- 21. ISO/DIS 22642**
Space data and information transfer systems -- TC synchronization and channel coding
- 22. ISO 22663**
Space data and information transfer systems -- Proximity-1 space link protocol -- Data link layer
- 23. ISO/DIS 10537:2010/Amd 1**
Space data and information transfer systems — Encapsulation service AMENDMENT 1 (Revision)
- 24. ISO/DIS 12175:1994/Amd 1**
Space data and information transfer systems — Standard formatted data units — Structure and construction rules AMENDMENT 1 (Reconfirm)
- 25. ISO/DIS 22645:2005/Amd 1**
Space data and information transfer systems — TM (telemetry) space data link protocol AMENDMENT 1 (Confirmation of Adoption)
- 26. CIB Resolution to Extend the Term of Office of Mr. Eduardo Bergamini as chair of ISO/TC20/SC13**

❖ **Standards Under Development:**

1. **ISO/DIS 21323**
Space data and information transfer systems -- CCSDS Bundle protocol specification
2. **ISO/DIS 21324**
Space data and information transfer systems -- Space data link security protocol
3. **ISO/DIS 18441**
Space data and information transfer systems -- Space link extension -- Application program interface for transfer services -- Core specification
4. **ISO/DIS 18442**
Space data and information transfer systems -- Space link extension -- Application program interface for return all frames service
5. **ISO/DIS 18443**
Space data and information transfer systems -- Space link extension -- Application program interface for return channel frames service
6. **ISO/DIS 18444**
Space data and information transfer systems -- Space link extension -- Application program interface for return operational control fields service
7. **ISO/DIS 18445**
Space data and information transfer systems -- Space link extension -- Application program interface for the forward CLTU service
8. **ISO/DIS 18446**
Space data and information transfer systems -- Space link extension -- Application program interface for the forward space packet service
9. **ISO/DIS 22645**
Space data and information transfer systems -- TM (telemetry) space data link protocol

Respectfully submitted:

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